

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): An electrochemical sensor for determining the concentration of a constituent present in a solution or in a liquid of natural or biological origin, formed by a tongue including a thin plastic substrate supporting at least two current conducting strips separated by a narrow insulating strip of the substrate, said substrate and said strips being covered with a plastic covering into which are cut, at one end, an opening allowing portions of strip to appear for connection to an electronic apparatus, and, close to the other end, two windows separated by a strip of the covering, said windows delimiting on the strips the useful surfaces of a reference electrode beneath a first reference window and a measuring electrode beneath a second measuring window coated with a reagent of the constituent whose concentration one wishes to determine, wherein at least the measuring window has ~~a rounded~~ an elongated contour with rounded angles along a length of the tongue.

2. (currently amended): An electrochemical sensor according to claim 1, wherein the reference window also has ~~a round~~ an elongated contour with rounded angles along the length of the tongue.

3. (previously presented): An electrochemical sensor according to claim 2, wherein the measuring window and the reference window are symmetrical with respect to the narrow insulating strip separating the conducting strips, and have a coffee bean configuration.

AMENDMENT AND REQUEST FOR RECONSIDERATION....
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4. (canceled).

5. (previously presented): An electrochemical sensor according to claim 1 for determining the level of glucose in the blood, wherein the reagent contains at least glucose oxidase and a chemical mediator able to transfer electrons.

6. (original): An electrochemical sensor according to claim 5, wherein the mediator is selected from among the mono, bis or tris 2-2' ruthenium, osmium or vanadium bipyridine complexes in which at least one of the bipyridine ligands is substituted by at least one electron donor group.

7. (canceled).